

## ABSTRACT

Peptides have been discovered which are capable of binding to and internalizing with the human transferrin receptor (hTfR). The sequences HAIYPRH (Seq. ID No. 1) and THRPPMWSPVWP (Seq. ID No. 2) are capable of binding to and internalizing with the human transferrin receptor. When these molecules were fused with other molecules, the fusion product was internalized in cells expressing hTfR. The sequences have use for targeting other peptides and proteins into cells expressing hTfR.